

BACKPACK

BACKGROUND OF THE INVENTION

The present invention relates to backpacks, and more particularly, to a backpack that is easy to put on and take off. Backpacks have become very popular and are used by students, people in the workplace, and individuals in general for carrying items in a convenient manner. One problem with conventional backpack assemblies is that individuals such as elderly or others with certain physical and medical handicaps find it difficult to wear and remove a backpack.

10 The backpack described in the Haber U.S. Patent No. 5,950,894 is one solution to a backpack that is more easily put on and removed.

Another backpack described in the Golling et al. U.S. Patent No. 5,873,506 describes a backpack that permits a user more freedom of movement since the shoulder straps extend in a crosswise manner over the chest of the user and are attached at lower ends to the lower portions of the bag portion of the backpack.

SUMMARY OF THE INVENTION

The present invention includes a backpack comprising a bag portion and only one shoulder strap connected at a first end to the bag portion. The backpack also includes left and right side straps wherein each side strap is also at a first end connected to the bag portion. The only one shoulder strap and the left and right side straps are each connected to a central member at second ends and wherein at least one of the side straps is detachably attached to the central member.

BRIEF DESCRIPTION OF THE DRAWINGS

Figure 1 is a front elevational view of the backpack of the present invention on a person.

Figure 2 is a rear elevational view of the backpack of the present invention on the person.

DETAILED DESCRIPTION

The backpack of the present invention is generally illustrated at 10 in Figures 1 and 2. The backpack 10 includes a bag portion 12 that is worn by a person (illustrated in broken lines) 14. The backpack 10 is worn utilizing
5 only three straps. The straps include one shoulder strap 16, and a left and a right stabilizing strap 18 and 20, respectively. The straps 16, 18 and 20 are connected by a central connector 22. The central connector 22 is disposed approximately the person's 14 mid-section 24 just below the chest area 26.

The shoulder strap 16 extends from the connector 22 across the
10 left shoulder 28 and is secured to the bag portion 12 at an upper left hand corner 30, as best illustrated in Figure 2.

Shoulder strap 16 is adjustable in length through length adjustment buckle 32. Such buckles are well known in the art and by pulling the strap 16 through the buckle 32, the strap 16 may be shortened or increased in
15 length. Although the shoulder strap 16 is illustrated extending over the left shoulder, the shoulder strap may be created to also extend over the right shoulder. If the shoulder strap 16 extends over the right shoulder, the shoulder strap will then have to be attached to a right corner of the bag portion 12. In this alternative embodiment, the bag portion is a mirror image of the bag portion 12
20 illustrated in Figure 2.

The stabilizing straps 18 and 20 extend around the person 14 just above the hips, extending from the central connector 22, to which the straps are connected at one end, as best illustrated in Figure 1 rearwardly above the hips of the person 14. The straps 18 and 20 are then connected to the bag portion 12
25 along a lower section thereof, as best illustrated in Figure 2.

Each stabilizing strap 18 and 20 has a separating buckle 34 and 36, respectively. The separating buckles are side release quick connect and disconnect buckles which are well known in the art. One example of such a buckle is more specifically described in U.S. Patent No. 6,226,844 which is

herein incorporated by reference. The separating buckles 34 and 36 separate into two halves (the separation not being illustrated in the drawings), thereby disconnecting either stabilizing strap 18 or 20 from the connector 22. The buckles 34 and 36 are preferably attached at one end to the connector 22 by
5 strap portions 38 and 40, respectively. At another end, the stabilizing straps include strap portions 42 and 44 which are attached to the other end of the buckles 34 and 36, respectively, with the strap portions 42 and 44 extending along the person's left and right hips, and being attached at another end to the bag portion 12, as best illustrated in Figure 2.

10 The backpack 10 may include a front shoulder pouch 46 attached to the shoulder strap 16 and which when worn, rests just below a front left shoulder area 28 of the person 14. The bag portion 12, as best illustrated in Figure 2 includes a main compartment 50, whose opening is covered by flap 52. Flap 52 also serves as another storage compartment having an opening accessed
15 by zipper 54.

The backpack 10 of the present invention is easily taken off or put on due to the single shoulder strap construction. Typically, the stabilizing strap 16 is detached from the connector 22 through buckle 36. The person 14 then places a left arm 56 between the stabilizing strap 20 and the shoulder strap
20 16. The bag portion 12 of the backpack 10 will then lie over the person's back. The stabilizing strap 20 is then reconnected to the connectors 22 through buckle 36.

Similarly, both buckles 34 and 36 may be separated thereby disconnecting both stabilizing straps 18 and 20 from the connector 22. The bag
25 portion 12 of the backpack 10 is easily slung to the front of the person 14 by holding onto strap 16 with the left arm 58 just above the connector 22.

Although the present invention has been described with reference to preferred embodiments, workers skilled in the art will recognize that changes

may be made in form and detail without departing from the spirit and scope of the invention.